

Converting Colors

`RYB(47, 94, 141)`

Have a look what the booklet for
RYB(47, 94, 141) contains.

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Color

`RYB(47, 94, 141)`

Conversions

Conversions Part 1

Format	Color
Hex	2F8D8D
RGB	47, 141, 141
RGB Percent	18%, 55%, 55%
CMY	0.8157, 0.4471, 0.4471
CMYK	0.67, 0.00, 0.00, 0.45
HSL	180°, 50%, 37%
HSV	180°, 67%, 55%
XYZ	15.5049, 21.5772, 28.5469
YIQ	112.8940, -56.0240, -19.9280

Conversions

Conversions Part 2

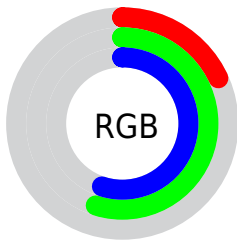
Format	Color
R_{YB}	47, 94, 141
Decimal	3116429
CIE Lab	53.58, -26.69, -8.05
CIE LCh	54, 27.882, 196.777
Yxy	21.5772, 0.2363, 0.3288
Android (android.graphics.Color)	4281306509 (0xFF2F8D8D)
YUV	112.8940, 13.8563, -57.7890
Hunter-Lab	46.4512, -21.7084, -3.9212




Details

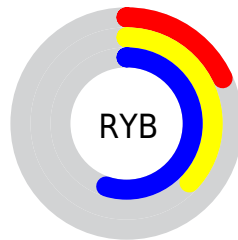
The RYB color **47, 94, 141** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **141, 47, 47**, and the grayscale version is **113, 113, 113**.




A 20% lighter version of the original color is **106, 151, 195**, and **0, 45, 91** is the 20% darker color. If you saturate the color by 10%, you get **33, 87, 141**, and if you desaturate by 10%, it is **61, 101, 141**.

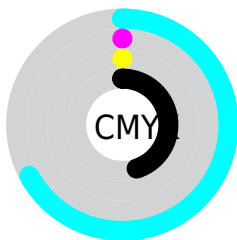
Distribution







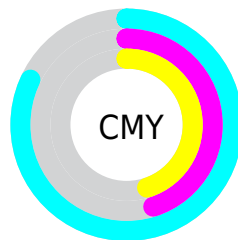
-  Red (18%)
-  Green (55%)
-  Blue (55%)






-  Red (18%)
-  Yellow (37%)
-  Blue (55%)



-  Cyan (67%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (45%)



-  Cyan (82%)
-  Magenta (45%)
-  Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 94, 141 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 47, 94, 141 by changing the saturation by 10% instead.



47, 94, 141



47, 94, 141

255, 255, 255



0, 58, 115



106, 151, 195



0, 45, 91



135, 179, 223



0, 33, 68



163, 208, 252



0, 22, 45



192, 224, 255



0, 12, 25



221, 238, 255



0, 0, 0



251, 253, 255



47, 94, 141



47, 94, 141



33, 87, 141



61, 101, 141

■ 19, 80, 141

■ 75, 108, 141

■ 5, 73, 141

■ 89, 115, 141

■ 0, 71, 141

■ 103, 122, 141

■ 118, 130, 141

■ 132, 137, 141

■ 146, 141, 141

■ 160, 141, 141

■ 174, 141, 141

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74, 114, 140



47, 94, 141



45, 97, 162

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47, 94, 141



148, 117, 161



135, 154, 81

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47, 94, 141



141, 47, 47

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



170, 123, 94



47, 94, 141



168, 111, 140

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47, 94, 141



116, 125, 174



176, 110, 115



81, 131, 81

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47, 94, 141



65, 108, 172



176, 110, 115



160, 152, 84

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47, 94, 141



147, 166, 184



47, 141, 141



70, 81, 92



219, 219, 219



92, 92, 92

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 94, 141



37, 111, 184



47, 78, 141



64, 68, 71



0, 68, 135



0, 4, 8

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



141, 47, 141



184, 37, 184



141, 141, 47



71, 64, 71



135, 0, 135



8, 0, 8

Previews

White Background



This preview shows how the RYB color 47, 94, 141 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 47, 94, 141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

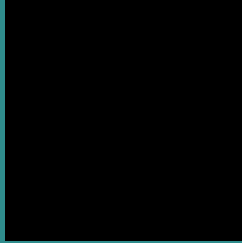
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 47, 94, 141 Background



This preview shows how black text looks on a background with the R Y B color 47, 94, 141.

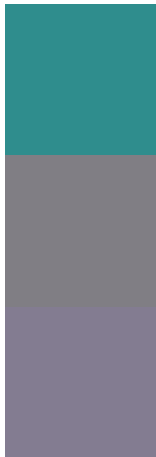


This preview shows how white text looks on a background with the R Y B color 47, 94, 141.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
47, 94, 141

Protanopia
128, 126, 132

Deuteranopia
131, 124, 145



Tritanopia
52, 98, 151

Trichromacy



Original Color

47, 94, 141

Protanomaly

99, 116, 135

Deuteranomaly

100, 118, 144

Tritanomaly

50, 97, 147

Monochromacy



Original Color

47, 94, 141

Achromatopsia

113, 113, 113

Achromatomaly

89, 106, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 94, 141 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(47, 141, 141)` looks like.

```
.text, #text, p{  
    color:rgb(47, 141, 141)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(47, 141, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 141, 141) }
```

Border

The CSS property to change the border of an element to RYB 47, 94, 141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 141, 141) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(47, 141, 141) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(47, 141, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 141, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 141, 141);  
box-shadow:4px 4px 4px 4px rgb(47, 141,  
141) }
```

Background

The CSS property to change the background color of an element to RYB 47, 94, 141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 141, 141) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(47, 141,  
141) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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